

# Forming bachelors' labor actions in teacher training when studying disciplines of mathematical and natural science cycle

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## Abstract

© 2015 by iSER, International Society of Educational Research. The urgency of the problem stated in the article is due to the fact that in connection with the adoption in Russia of the Professional Standard for Teachers, Bachelors of teacher education should be fully ready for the implementation of their professional activities in accordance with the structure and content of labor actions specified in the Standard. The purpose of the article is to present the experience of the teachers of Elabuga Institute of Kazan (Volga region) Federal University in the development of the curriculum module, aimed at the development of the following labor actions: development of skills related to information and communication technologies; formation of common cultural competence and understanding the place of the subject in the overall picture of the world. The leading approach to the study of this problem is the analysis of the existing Bachelor training programs in teacher education, which leads to the conclusion about the need in practice-oriented approach to the training of future teachers. The developed curriculum module is for the discipline "Mathematics and mathematical foundations of information processing", the main purpose of which is to provide students with skills enabling them to master the techniques of search and critical appraisal of natural science information, methods of mathematical processing of the results of educational research, and to involve students in the professional activities beginning with the first year of the study, which will enable them to become highly qualified teachers of the future.

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## Keywords

Competence, Labor actions, Pedagogical education, Teacher professional standard, Training of Bachelors in teacher education